2 PIECE ROD END BEARING [SELF-LUBRICATING]

RBT

ROD END FEMALE | **SELF-LUBRICATING** | **2 PIECE**

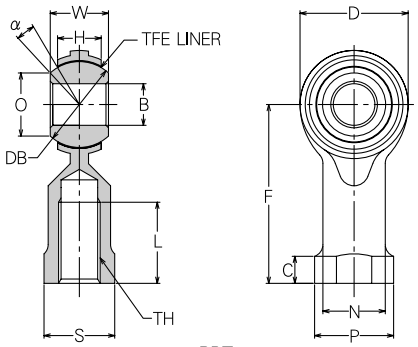
Materials

BODY	303 Stainless Steel
BALL	440C Stainless Steel
LINER	Teflon / Fabric

Description of Types

RBT D L xx T

- No Letter Indicates Standard Breakaway Torque
  Letter "T" Indicates Low Breakaway Torque
- Bearing Bore Code
- No Letter Indicates Right Hand Thread
  Letter "L" Indicates Right Hand Thread
- For X-1276 LINER add suffix "D"
- Basic Part No.



RBT

Dimensions in mm

MINEBEA Part No.	ϕB H7	ϕD ± 0.5	W 0 −0.13	H ± 0.3	F ± 0.5	TH JIS Class 2	L ± 0.7	ϕN ± 0.5	ϕP ± 0.5	C ± 0.7	S ± 0.25	α (deg.)	ϕO Ref.	S ϕ DB Ref.	Radial Static Limit Load kN	Static Ultimate Load kN	Approx. Weight g
RBT3	3	12	6	4.50	21	M3 × 0.5	10.0	6.5	8.0	3.0	7	11	6.8	9.04	0.41	1.66	10
RBT4	4	14	7	5.25	24	M4 × 0.7	12.0	8.0	9.5	4.0	8	12	7.6	10.32	0.60	2.45	12
RBT5	5	16	8	6.00	27	M5 × 0.8	12.5	9.0	11.0		9		8.8	11.91	0.98	7.84	16
RBT6	6	18	9	6.75	30	M6 × 1.0	13.5	10.0	13.0	5.0	11	10	11.1	14.29	1.44	8.62	25
RBT8	8	22	12	9.00	36	M8 × 1.25	16.0	12.5	16.0		14	12	12.7	17.46	2.69	11.76	43
RBT10	10	26	14	10.50	43	M10 × 1.5	19.5	15.0	19.0	6.5	17		15.2	20.64	4.16	16.67	72
RBT12	12	30	16	12.00	50	M12 × 1.75	24.0	17.5	22.0		19		17.6	23.81	5.88	23.53	107
RBT14	14	34	19	13.50	57	M14 × 2.0	27.0	20.0	25.0	8.0	22	14	19.2	26.99	6.61	26.47	160
RBT15	15	36	20	14.50	61		30.0	21.0	26.0			13	21.5	29.37	8.09	32.36	185
RBT16	16	38	21	15.00	64	M16 × 2.0	33.0	22.0	27.0			15	19.4	28.58	8.33	33.34	210
RBT18	18	42	23	16.50	71	M18 × 1.5	36.0	25.0	31.0	10.0	27	15	21.9	31.75	11.52	46.09	295
RBT20	20	46	25	18.00	77	M20 × 1.5	40.0	27.5	34.0		30	14	24.4	34.93	12.01	48.05	380
RBT22	22	50	28	20.00	84	M22 × 1.5	43.0	30.0	37.0	12.0	32	15	25.8	38.10	13.48	53.93	490
RBT25	25	56	31	22.00	94	M24 × 2.0	48.0	33.5	42.0		36		29.6	42.86	17.40	69.62	870
RBT28	28	62	35	24.00	103	M27 × 2.0	53.0	37.5	46.0		41	17	32.3	47.63	20.83	83.35	1180
RBT30	30	66	37	25.00	110	M30 × 2.0	56.0	40.0	50.0	15.0			34.8	50.80	24.76	99.04	1450

Notes

1. Teflon liner permanently bonded to race I.D.
2. Oscillation load shall be kept within the static load range, as Teflon liner load endurance is greater than body breaking load.
3. Made to order only. (from RBT15 to RBT30)
4. No Load Rotational Breakaway Torque.
   Standard All Size: 0.02 ~ 0.34N・m
   Low Torque All Size: 0.02N・m MAX
   (Radial Clearance 0.05mm MAX)

○ Please consult MINEBEA for availability of bearings in this series.

Bore size	~ 3	~ 6	~ 10	~ 18	~ 30
H7 Tolerance (μm)	+ 10 0	+ 12 0	+ 15 0	+ 18 0	+ 21 0

Copyright 2006, Minebea Co., Ltd.